

PATENT
Docket No. 10089/10

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

INVENTORS : H. YAMADA et al.
SERIAL NO. : 09/580,294
FILED : May 26, 2000
FOR : COMPOSITE SEMIPERMEABLE MEMBRANE
GROUP ART UNIT : 1723
EXAMINER : S. Kim

ASSISTANT COMMISSIONER
FOR PATENTS
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. § 1.97 & § 1.98

SIR:

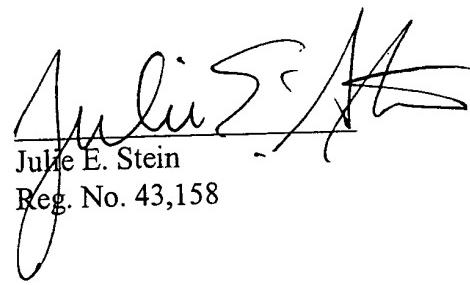
In accordance with the duty of disclosure under 37 C.F.R. § 1.56 and in conformance with the procedures of 37 C.F.R. §§ 1.97(c) and 1.98 and M.P.E.P. § 609, attorneys for Applicants hereby bring the attached references listed on the modified form PTO-1449 to the attention of the Examiner.

The references were cited on pages 1 and 8 of the specification in the present application. Copies of the references are enclosed.

It is respectfully requested that the information be expressly considered during the prosecution of this application and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom. A copy of each patent, publication or other information listed on the modified PTO form 1449 is attached hereto.

Please charge Deposit Account No. 11-0600 in the amount of \$180.00 in payment of the fee due under 37 C.F.R. § 1.17(p) to ensure consideration of the disclosed information. The Office is hereby authorized to charge any additional fees under 37 C.F.R. § 1.16 or § 1.17 or credit any over payment to Deposit Account No. 11-0600. A duplicate copy of this communication is enclosed for charging purposes.

Respectfully submitted,



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Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Application Number	09/580,294
		Filing Date	May 26, 2000
		First Named Inventor	H. Yamada et al.
		Group Art Unit	1723
		Examiner Name	S. Kim
Sheet	1	of	1
		Attorney Docket Number	10089/10

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Group Art Unit : 1723

Applicants : Hideki YAMADA, et al.

Serial No. : 09/580,294

Filed : May 26, 2000

For : COMPOSITE SEMIPERMEABLE MEMBRANE

Assistant Commissioner for
Patents
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. 1.56

S I R :

Applicants wish to bring to the attention of the Examiner the following publications:

1. U.S. Patent No. 4,980,061. This patent is a continuation of U.S. Serial No. 198,647, which is a continuation of U.S. Serial No. 788,137, which corresponds to Japanese Unexamined Patent Publication No. 1987-95105. This is referred to on page 1, lines 20 and 21 of the specification.

2. PB Report 81-167215, "Development of Hollow Fiber Reverse Osmosis Membranes, D.K. Schiffer, et al., November 1980. This is referred to in the specification.

3. Japanese Unexamined Patent Publication No. 1990-2842, with abstract. This is referred to in the specification.

4. Journal of Membrane Science, 45, (1989), pp. 225-245, "A Surface Science Investigation of Composite Membranes", Craig R. Bartels.

5. Journal of Membrane Science, 46, (1989), pp. 243-260, "Structure-Property Relationship in a Thin Film Composite-Reverse Osmosis Membrane", Samuel D. Arthur.

6. U.S. Patent No. 4,259,183.

7. U.S. Patent No. 4,277,344.

8. U.S. Patent No. 5,783,079.

9. The 1996 International Congress on Membranes and Membrane Processes, pages 190-191.

These publications are listed on the attached form PTO-1449 and copies are enclosed for the convenience of the Examiner.

It is requested that these publications be considered and made of record herein.

The Office is hereby authorized to charge Deposit Account No. 11-0600 for any fees required by this paper, a copy of which is enclosed.

Respectfully submitted,

KENYON & KENYON

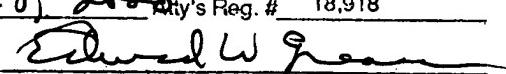
By 
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Dated: August 15, 2000

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231, on

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KENYON & KENYON
EDWARD W. GREASON

FIRM PTO-1448 (REV. 2-23)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO.	Serial No. 09/580,294
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use separate sheet if necessary)</i>		APPLICANT Hideki YAMADA, et al.	FILED DATE May 26, 2000
		GROUP	1723

**INFORMATION DISCLOSURE STATEMENT
BY APPLICANT**
(Use several sheets if necessary)

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APPENDIX

Hideki YAMADA, et al.

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May 26, 2000

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U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

OTHER DOCUMENTS (Including Author, Title, Date, Permanent Pages, Etc.)

		PB Report 81-167215, "Development of Hollow Fiber Reverse Osmosis Membranes", D.K. Schiffer, et al, November, 1980
		Journal of Membrane Science, 45, (1989), pp. 225-245, "A Surface Science Investigation of Composite Membranes", Craig R. Bartels
		Journal of Membrane Science, 46, (1989), pp. 243-260, "Structure-Property Relationship in a Thin Film Composite-Reverse Osmosis Membrane", Samuel D. Arthur

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